



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

## Febtank Super Data Sheet

### Specification notes

Product: **Febtank Super**

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# FEBTANK SUPER

## Waterproof Coating For Concrete And Masonry

### Description of Product

FEBTANK SUPER, when mixed with clean water, forms an extremely durable waterproof coating for concrete and masonry which is easily applied by a stiff hand brush, broom or spray. Available in grey or white. Both products may both be covered with a decorative finish or left uncovered.

### Typical Uses

Waterproofing of:

- Basements.
- Foundations.
- Water reservoirs.
- Tunnels.
- Floors and walls in shower and bathroom areas prior to the application of a decorative finish.

### Features and Benefits

- Resists positive and negative water pressure.
- Suitable for interior and exterior use, above and below ground level.
- Water vapour permeable.
- High bond strength, becomes integral part of the substrate.
- To be mixed with water only.
- Can be brush or spray applied.
- Is applied onto a damp substrate.
- Equipment to be cleaned simply with water.
- Solvent free.

### Instructions for Use

#### Substrate Preparation

The surface to be coated must be clean and sound. Remove all traces of formwork, release agents, previous coatings, laitance and any contaminants that may effect the bond adversely. Suitable cleaning methods include high-pressure water treatment and abrasive blasting. Chemical cleaning treatments or aggressive percussive methods such as scabbling are NOT recommended. After the above treatment, surfaces must be thoroughly washed with clean potable water to remove all dust and loose particles. Cracks and bolt holes must be cut out and filled solid with FEB WATERPLUG prior to the application of FEBTANK SUPER. Basements in areas containing high levels of soil or ground water sulphates may require a pre-treatment render.

#### Mixing

Mixing should only be done by hand or via slow speed drill/paddle (400-600rpm). Gradually add powder to water whilst mixing at a rate of 25kg powder to 5ltrs water to achieve a thick creamy lump free consistency. Leave to stand for 10mins prior to applying. Remix and add a very small amount of water if required to restore original consistency. Never use more than 5.4ltrs of total water. Mixed material must always be used within 30 minutes, or less under hot weather conditions.

#### Application

*Note: Do not apply FEBTANK SUPER to frozen substrates or if the ambient temperature is below 5°C or expected to fall below 5°C within 24 hours. Avoid application in direct sunlight. Always apply the mix to a pre-dampened surface.*

FEBTANK SUPER is a minimum two coat application system. Always dampen surfaces to aid adhesion. Remove all free standing water prior to application. Apply by stiff brush or broom or with traditional mortar spraying equipment. The actual thickness per coat must be between 1.0 and 2.0mm. Normal application rate is 3kg/m<sup>2</sup> for an overall two coat application. Increase to 6kg/m<sup>2</sup> for areas of excessive water pressure.

**Applying the first coat:** Brush or broom the mix firmly onto the pre-dampened, prepared surface. After completing 2 or 3m<sup>2</sup> finish with the brush or broom in one direction for aesthetic purposes. Care must be taken not to spread the material too thinly. When the material begins to drag or “ball”, do not add more water, but dampen the surface again.

**Applying the second coat:** Allow at least overnight to cure before applying subsequent coats. Ensure first coat is firm to touch. Dampen the first coat and remove excess moisture. Apply the second coat at right angles to the first coat to ensure good covering. NOTE: If FEBTANK SUPER is used in closed, poorly ventilated rooms, condensation may occur on the first coat. This condensation must be removed from the surface. FEBTANK SUPER can be spray applied but should always be brushed home well into the substrate to ensure proper adhesion. To improve the aesthetic appearance a third additional layer can be applied by spray, and then sponge finished, to give a uniform surface.

**Curing**

ALWAYS fine mist spray all the treated area as soon as initial set has taken place and for as long as is possible. In cold, humid or unventilated areas (e.g. cellars) it may be necessary to leave the application for a longer curing period or to introduce forced air movement. NEVER use dehumidifiers during curing periods.

**SUBSEQUENT OVERCOATING:** FEBTANK SUPER is suitable for overcoating once correctly and thoroughly cured.

**Plaster:** If plaster is to be used it must be ensured that cement based “renovating plaster” is used. Gypsum plasters must not be used.

**Cement based render:** Use a slurry bonding coat consisting of 2 parts sand, one part cement gauged to a brushable paste with neat FEBBOND SBR. Apply render whilst bonding coat is still tacky.

**Final Decoration:** Allow 6 months minimum to elapse before final decorative finishes are applied.

**Coverage**

A two-layer application requires approximately 3kg powder /m<sup>2</sup> depending on substrate.

**Storage**

FEBTANK SUPER should be stored under cover, clear of the ground and stacked not more than 6 bags high. Protect the materials from all sources of moisture and frost.

**Shelf Life**

6 months from date of manufacture.

**Technical Data/Typical Properties**

Bulk density	1.25g/cm <sup>3</sup>
Wet mixed density	2.06-2.07 g/cm <sup>3</sup>
Pot life @ 20°C	45 mins
Final Set @ 20°C	Approx 6 hours